

## Mouse Choline acetyltransferase ELISA Kit | ChAT elisa kit

Mouse Choline acetyltransferase ELISA Kit

CATALOG #  
**AAA16189**

REACTIVITY  
**Mouse**

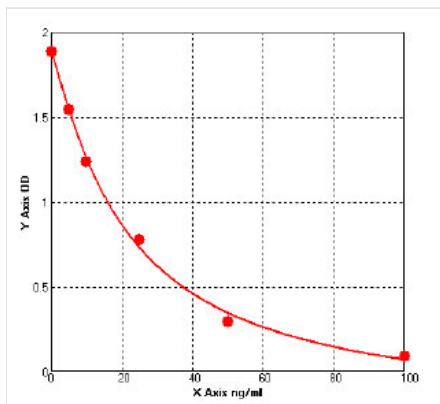
### PRODUCT SYNONYMS

Choline acetyltransferase; Mouse Choline acetyltransferase ELISA Kit; ChAT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of ChAT. No significant cross-reactivity or interference between ChAT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ChAT and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ChAT elisa kit | <p>Principle of the Assay: ChAT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ChAT antibody and an ChAT-HRP conjugate. The assay sample and buffer are incubated together with ChAT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ChAT concentration since ChAT from samples and ChAT-HRP conjugate compete for the anti-ChAT antibody binding site. Since the number of sites is limited, as more sites are occupied by ChAT from the sample, fewer sites are left to bind ChAT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ChAT concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This ChAT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ChAT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for ChAT elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 553229                                                                                 |
| NCBI GeneID                      | 1103                                                                                   |
| Molecular Weight                 | 70,394 Da                                                                              |
| NCBI Official Full Name          | choline acetyltransferase, partial                                                     |
| NCBI Official Synonym Full Names | choline O-acetyltransferase                                                            |
| NCBI Official Symbol             | CHAT                                                                                   |
| NCBI Official Synonym Symbols    | CMS1A; CMS1A2; CHOACTASE                                                               |
| NCBI Protein Information         | choline O-acetyltransferase; choline acetylase; acetyl CoA:choline O-acetyltransferase |
| UniProt Protein Name             | Choline O-acetyltransferase                                                            |
| UniProt Gene Name                | CHAT                                                                                   |
| UniProt Synonym Gene Names       | CHOACTase; ChAT; Choline acetylase                                                     |
| UniProt Entry Name               | CLAT_HUMAN                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/chat-mouse-elisa-kits/choline-acetyltransferase/16189>